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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 20098-2025

Replacing GB/T 20098-2006

Foot protection - General technical specifications

足部防护 通用技术规范

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Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4 Classification and style of foot protection equipment	2
5.Harmlessness requirement	3
6 Ergonomic requirements	4
7 Requirements for foot protective footwear	4
8 Protection performance requirements	6
9 Labelling and manufacturer's information	6

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1.Structure and drafting rules for standardization documents" Drafting. This document replaces GB/T 20098-2006 "General technical requirements for protective boots for working in low temperature environments" and is consistent with GB/T 20098-2006. In addition to structural adjustments and editorial changes, the main technical changes are as follows:

- Changed the scope of application (see Chapter 1, Chapter 1 of the.2006 edition);
- Deleted the requirements and test methods (see Chapter 3 and Chapter 4 of the.2006 edition);
- Added terms and definitions (see Chapter 3);
- Added the classification and style of foot protective equipment (see Chapter 4);
- Added harmlessness requirements (see Chapter 5);
- Added ergonomic requirements (see Chapter 6);
- Added requirements for foot protective footwear (see Chapter 7);
- Increased protection performance requirements (see Chapter 8);
- Changed the labeling and information requirements provided by the manufacturer (see Chapter 9, Chapter 5 of the.2006 edition). Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document is proposed and coordinated by the

Ministry of Emergency Management of the People's Republic of China. The previous versions of this document and the documents it replaces are as follows:

---First issued in 2006 as GB/T 20098-2006;

---This is the first revision. General technical specifications for foot protection

1 Scope

GB 20098-2025 is the Chinese general standard for foot protection, and like its companion on protective clothing it has moved from GB/T to GB: from recommended to mandatory. It covers the classification and the styles of foot protection equipment, the harmlessness requirements for the materials that touch the wearer, the ergonomic requirements, and then the requirements for foot protective footwear itself, together with the marking and the information supplied with the product. Safety footwear is the single largest PPE category by volume, and China is both the largest producer and a large market; a mandatory general standard means that a boot sold there has to meet these requirements whatever the specific hazard standard it also claims. Effective 1 September 2026. For a footwear manufacturer, an importer or a company buying PPE for a Chinese site, this is the base text.

This document provides the classification and style of foot protection equipment, and stipulates the requirements for harmlessness, ergonomics, and foot protection footwear. requirements, protective function requirements, marking and information provided by the manufacturer. This document applies to foot protective equipment used to protect against physical and chemical injuries.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB 20265 Foot protection shoes against chemicals

GB/T 20991-2024 Test methods for foot protection shoes

GB 21148 Foot protection safety shoes

GB/T 28287 Test method for slip resistance of protective footwear

GB 31420 Requirements for toxic, hazardous and limited substances in personal protective equipment

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 safety shoes safetyfootwear Footwear designed to protect the wearer's feet from physical and chemical injuries.

Note. This does not include firefighters' boots, shoes to protect against chain saw cutting, shoes to protect against molten metal and molten metal splash, and shoes for motorcycle riders.

3.2 Footwear that protects the wearer's feet from chemicals used during work.

3.3 outsole Sole components.

3.4 Pattern cleat(s) The raised portion on the outer surface of the sole.

3.5 restricted substance Chemical substances in shoes (boots) or shoe (boot) materials that are harmful to the wearer's health and/or have adverse effects on the environment.